

II. GENERIC/DISCIPLINE CENTRIC ELECTIVE [ECECO402A]:

(Credits: Theory-04, Tutorial-01)

Marks: 30 (MSE: 20Th. 1Hr + 5Attd. + 5Assign.) + 70 (ESE: 3Hrs)=100	Pass Marks (MSE:17 + ESE:28)=45
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Instruction to Question Setter:**Mid Semester Examination (MSE):**

There will be **two** groups of questions in written examinations of 20 marks. **Group A is compulsory** and will contain five questions of **very short answer type** consisting of 1 mark each. **Group B will contain descriptive type five** questions of five marks each, out of which any three are to be answered.

End Semester Examination (ESE):

There will be **two** groups of questions. **Group A is compulsory** and will contain two questions. **Question No.1 will be very short answer type** consisting of five questions of 1 mark each. **Question No.2 will be short answer type** of 5 marks. **Group B will contain descriptive type six** questions of fifteen marks each, out of which any four are to be answered.

Note: There may be subdivisions in each question asked in Theory Examinations

The Mid Semester Examination shall have three components. (a) Two Semester Internal Assessment Test (SIA) of 20 Marks each, (b) Class Attendance Score (CAS) of 5 marks and (c) Class Performance Score (CPS) of 5 marks. "**Best of Two**" shall be applicable for computation of marks for SIA.

(Attendance Upto 75%, 1 mark; 75 < Attd. < 80, 2 marks; 80 < Attd. < 85, 3 marks; 85 < Attd. < 90, 4 marks; 90 < Attd, 5 marks).

A. ECONOMETRICS**Theory: 60 Lectures; Tutorial: 15 Hrs**

Module I: Basic Econometrics, Nature, Meaning and scope of econometrics. Methodology of econometric analysis, the simple linear regression and general linear regression model, Assumption, Estimation and Properties of OLS Estimates, Gauss Markov Theorem, Concept and Derivation of R^2 and adjusted R^2 , Concept and analysis of variance approach and its application in regression analysis.

Module II: Problems in Regression Analysis: Nature, test, consequences and remedial steps of problems of heteroscedasticity, multicollinearity and auto-correlation, problems of specification error, Errors of Measurement.

Module III: Regression with Qualitative Independent Variables: Dummy Variable Technique – Testing Structural Stability of Regression Models comparing to regression, Interaction Effects, Seasonal Analysis, Piecewise linear regression, Use of dummy variable in regression with dummy dependent variables, The LPM, Logit, Probit and Tobit models – Application.

Module IV: Dynamic Econometric Model: Auto-regressive and Distributed Lag Models – KOYCK Model, Partial Adjustment Model, Adaptive Expectations, Granger causality Test

Module V: Simultaneous-Equation Models, Simultaneous Equation Bias, The Identification Problems, A test of simultaneity, Simultaneous equation (Methods of estimation).

Basic Reading List

- Koutsoyiannis, A. (1977) : Theory of Econometrics, 2nd Edition, The McMillan Press Ltd. London
- Gujarati, D.N. (1995) : Basic Econometrics, 2nd Edition Mc Graw Hill, New Delhi.
- Gujarati, D.N., Dawn, C. Porter & Sangeetha Gunasekar. (2012) : Basic Econometrics (5th Edition) Tata Mc Graw Hill Education Pvt. Ltd., New Delhi.
- Amemiya, T. (1985) : Advanced Econometrics, Haward Univ. Press, Cambridge, Mass
- Maddala, G.S. (Ed) (1993) : Econometric Methods and Applications (2 Vols) Aldershot, UK.
- Krishna, K.L. (Ed) (1997) : Econometric Application in India, Oxford Univ. Press, New Delhi.

OR**GENERIC/DISCIPLINE CENTRIC ELECTIVE****[ECECO402B]:**

(Credits: Theory-04, Tutorial-01)

Marks: 30 (MSE: 20Th. 1Hr + 5Attd. + 5Assign.) + 70 (ESE: 3Hrs)=100**Pass Marks (MSE:17 + ESE:28)=45****Instruction to Question Setter:****Mid Semester Examination (MSE):**

There will be **two** groups of questions in written examinations of 20 marks. **Group A is compulsory** and will contain five questions of **very short answer type** consisting of 1 mark each. **Group B will contain descriptive type five** questions of five marks each, out of which any three are to be answered.

End Semester Examination (ESE):

There will be **two** groups of questions. **Group A is compulsory** and will contain two questions. **Question No.1 will be very short answer type** consisting of five questions of 1 mark each. **Question No.2 will be short answer type** of 5 marks. **Group B will contain descriptive type six** questions of fifteen marks each, out of which any four are to be answered.

Note: There may be subdivisions in each question asked in Theory Examinations

The Mid Semester Examination shall have three components. (a) Two Semester Internal Assessment Test (SIA) of 20 Marks each, (b) Class Attendance Score (CAS) of 5 marks and (c) Class Performance Score (CPS) of 5 marks. “**Best of Two**” shall be applicable for computation of marks for SIA.

(Attendance Upto 75%, 1 mark; 75 < Attd. < 80, 2 marks; 80 < Attd. < 85, 3 marks; 85 < Attd. < 90, 4 marks; 90 < Attd, 5 marks).

B. DEMOGRAPHY**Theory: 60 Lectures; Tutorial: 15 Hrs****Module I: Introduction to Demography**

Meaning, subject matter and Importance of demography, Source of Demographic data – Census, Sampling, Registration, Source of Demographic data in India – Census, NFHS, NSSO, Registration System in India. Trends in composition & Distribution of India Population – Sex, Age, Religion, Rural, Urban, Occupation. Demographic rate in India – Fertility, Mortality, Literacy, Poverty

Module II: Measurement of Population Growth

Meaning of Population Growth, Models of Population Growth and Population Projection. Population Pyramid.

Module III: Factor affecting Population Growth

Fertility -Meaning, Important Concepts – CBR, ASBR, TFR, GRR, NRR; Factor affecting Fertility., Mortality - Meaning, Important Concepts – CDR, ASDR, IMR, MMR, NMR, NNMR, CSDR; Factors affecting Mortality, Migration - Meaning, Type, Effects and Factors Promoting Migration. Urbanization - Meaning, Causes and Effects. Neutrality -Meaning, Important Concepts and determinants

Module IV: Theories of Population

Malthusian Theory, Optimum Theory, Theories of Demographic Transition – Views of Malthus, Marx & Cowgill, Biological Theories, Socio-Economic Theories.

Module V: Population Growth and Development

Relationship between population growth & economic development, Human development

- Meaning, Index and relationship with population growth, Relationship between population growth and environment degradation, Relationship between population growth & health, nutrition & productivity.

Module VI: Migration and Urbanization

Concept and types-temporary, internal and international; International migration- its effect on population growth and pattern; factors affecting migration;-Theories of migration related to internal migration; Urbanization - growth and distribution of rural-urban population in developing countries.

Basic Reading List

- Agarwala, S.N. (1972), India's Population Problem , Tata McGr Hill Co., Bombay.
 - Bose, A. (1996), India's Basic Demographic Statistics, B. Publishing Corporation, New Delhi.
 - Bogue, D.J. (1971), Principles of Demography, John Wiley, N York.
 - Chenery, H. and T.N.Srinivasan, (Eds) (1989), Handbook Development Economics, Vol. 1 and 2, Choubey, P.K. (2000), Population Policy in India, Kanish Publication, New Delhi.
 - Coale, A. J. and E.M. Hoover (1958) Population Growth a Economic Development in Low Income Countries: A case study of India's prospects, Princeton University Press, Princeton
 - Gulati, S.C. (1988), Fertility in India; An Econometric Study A Metropolis, Sage Publications, New Delhi.
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OR GENERIC/DISCIPLINE CENTRIC ELECTIVE

[ECECO402C]:

(Credits: Theory-04, Tutorial-01)

Marks: 30 (MSE: 20Th. 1Hr + 5Attd. + 5Assign.) + 70 (ESE: 3Hrs)=100

Pass Marks (MSE:17 + ESE:28)=45

Instruction to Question Setter:

Mid Semester Examination (MSE):

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End Semester Examination (ESE):

There will be **two** groups of questions. **Group A is compulsory** and will contain two questions. **Question No.1 will be very short answer type** consisting of five questions of 1 mark each. **Question No.2 will be short answer type** of 5 marks. **Group B will contain descriptive type six** questions of fifteen marks each, out of which any four are to be answered.

Note: There may be subdivisions in each question asked in Theory Examinations

The Mid Semester Examination shall have three components. (a) Two Semester Internal Assessment Test (SIA) of 20 Marks each, (b) Class Attendance Score (CAS) of 5 marks and (c) Class Performance Score (CPS) of 5 marks. “**Best of Two**” shall be applicable for computation of marks for SIA.

(Attendance Upto 75%, 1mark; 75<Attd.<80, 2 marks; 80<Attd.<85, 3 marks; 85<Attd.<90, 4 marks; 90<Attd, 5 marks).

C. ECONOMICS OF LABOR

Theory: 60 Lectures; Tutorial:15 Hrs

Module I: Labour Economics and Labour Problems

Meaning and concepts of labour- Definition, nature, scope and importance of labour economics, Nature of labour problems, labour market segmentation, labour in unorganized sector, child labour, Industrial Labour Organization (ILO).

Module II: Industrial Labour in India

Meaning and characteristics of Industrial Labour in India, employment in organized sector, meaning and objective of trade unions, trade union movement in India, Problems and draw backs of the movement in India – Measures to strengthen the Trade Union Movement in India- Industrial disputes: meaning and causes and effects of industrial disputes, prevention of Industrial disputes and the machinery of setting disputes- prevention of Industrial disputes in India, Labour Legislation in India Indian, Labour Laws and practice in relation to international standards.

Module III: Agricultural Labour in India

Meaning and characteristics of agricultural labour in India casual labour and attaches labour and bounded labour, the problems of agricultural labour in India, Government measures to improve the conditions of agricultural labour, employment in agricultural sector, marginalization minimum wages, MNREGA.

Module IV: Wages

Wage determination – classical, neoclassical and bargaining theories of wage determination, wage differentials in India, Asymmetric information and efficiency of labour markets in wage determination, productivity and wage relationship non wage component of labour remuneration, types of wages in India, the need for State Regulation of wages, national wages policy and wage Board in India.

Module V: Social Security Measures of Labour in India

The meaning and the need for social security measures in India, present status of social security in India, social assistant and social insurance review and appraisal of states policies with respect to social security and labour welfare in India, Social security Legislations in India, Workmen's Competition Act, 1923, Employees' State Insurance Scheme Act, 1948, Maternity Benefits Act 1961 and the Provident Fund, 1952, Labour Welfare Funds, Unemployment insurance, Second National Commission of Labour (1999), Dr. Arjun Sengupta Committee report.

Basic Reading List

- B.P. Tyagi (2009), Economics of labour and Social Welfare- Revised Edition, Sage Publication, New Delhi.
 - C.S Venkata Rathnam (2001) Globalisation and Labour management Relations, Dynamics of Change, Sage Publication, New Delhi.
 - C.B Memoria (1996) Labour Problems and Social Welfare in India, Kitab Mahal, Allahabad
 - G Dutta (1966) Bargaining Power, Wages and Employment: An Analysis of Agricultural Labour Markets in India, Sage Publication, New Delhi.
 - R. A Lester (1964) Labour Restructuring in India: A Critique of the New Economics of Labour, Macmillan, New Delhi.
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